

## WEST Search History

DATE: Friday, June 04, 2004

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*DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*

<input type="checkbox"/>	L8	L7	8
<input type="checkbox"/>	L7	L6 and (convert\$ near5 database\$1)	8
<input type="checkbox"/>	L6	(relational database\$) adj10 (hierarchical near5 data\$)	90
<input type="checkbox"/>	L5	((relational data) near5 (convert\$) same (hierarchical near5 data\$))	1
<input type="checkbox"/>	L4	'relational data' near5 'hierarchical data'	76
<input type="checkbox"/>	L3	'relational data to hierarchical data'	0
<input type="checkbox"/>	L2	'RELATIONAL DATA and HIERARCHICAL DATA'	0
<input type="checkbox"/>	L1	'RELATIONAL DATA TO HIERARCHICAL DATA'	0

END OF SEARCH HISTORY

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### Search Results - Record(s) 1 through 6 of 6 returned.

1. Document ID: US 6704747 B1

**Using default format because multiple data bases are involved.**

L2: Entry 1 of 6

File: USPT

Mar 9, 2004

US-PAT-NO: 6704747

DOCUMENT-IDENTIFIER: US 6704747 B1

TITLE: Method and system for providing internet-based database interoperability using a frame model for universal database

DATE-ISSUED: March 9, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Fong; Joseph Shi-Piu	Lantau Island			HK

US-CL-CURRENT: 707/104.1; 707/100, 707/3

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KNC](#) | [Drawn D](#)

2. Document ID: US 5832498 A

L2: Entry 2 of 6

File: USPT

Nov 3, 1998

US-PAT-NO: 5832498

DOCUMENT-IDENTIFIER: US 5832498 A

TITLE: Device for generating object-oriented interfaces for relational data bases and a process implemented by this device

DATE-ISSUED: November 3, 1998

INVENTOR-INFORMATION:

NAME	CITY	STATE ZIP CODE	COUNTRY
Exertier; Fran.cedilla.ois	St. Vincent de Mercuze		FR

US-CL-CURRENT: 707/103R; 707/1, 707/102

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KNC](#) | [Drawn D](#)

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**3. Document ID: US 5806066 A**

L2: Entry 3 of 6

File: USPT

Sep 8, 1998

US-PAT-NO: 5806066

DOCUMENT-IDENTIFIER: US 5806066 A

TITLE: Method of integrating schemas of distributed heterogeneous databases

DATE-ISSUED: September 8, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Golshani; Forouzan	Paradise Valley	AZ		
Friesen; Oris D.	Scottsdale	AZ		
Howell; Thomas H.	Scottsdale	AZ		

US-CL-CURRENT: 707/100; 707/102

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Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWC | Drawn D

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**4. Document ID: US 5504885 A**

L2: Entry 4 of 6

File: USPT

Apr 2, 1996

US-PAT-NO: 5504885

DOCUMENT-IDENTIFIER: US 5504885 A

TITLE: O-R gateway: a system for connecting object-oriented application programs and relational databases

DATE-ISSUED: April 2, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Alashqur; Abdallah M.	Dallas	TX		

US-CL-CURRENT: 717/141; 707/4

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Full | Title | Citation | Front | Review | Classification | Date | Reference | Claims | KWC | Drawn D

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**5. Document ID: US 5295256 A**

L2: Entry 5 of 6

File: USPT

Mar 15, 1994

US-PAT-NO: 5295256

DOCUMENT-IDENTIFIER: US 5295256 A

TITLE: Automatic storage of persistent objects in a relational schema

DATE-ISSUED: March 15, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bapat; Subodh	Fort Lauderdale	FL		

US-CL-CURRENT: 717/137; 707/3, 717/141

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

 6. Document ID: US 5291583 A

L2: Entry 6 of 6

File: USPT

Mar 1, 1994

US-PAT-NO: 5291583

DOCUMENT-IDENTIFIER: US 5291583 A

TITLE: Automatic storage of persistent ASN.1 objects in a relational schema

DATE-ISSUED: March 1, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bapat; Subodh	Fort Lauderdale	FL		

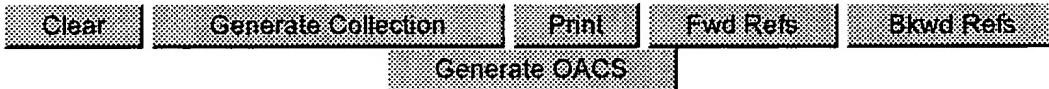
US-CL-CURRENT: 717/137; 717/141

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KOMC](#) | [Drawn D](#)

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Term	Documents
RELATIONAL	25977
RELATIONALS	6
SCHEMA	10581
SCHEMAS	1871
TRANSLAT\$	0
TRANSLAT	2699
TRANSLATA	90
TRANSLATAABLE	1
TRANSLATAB	17
TRANSLATABALE	1
TRANSLATABBLE	1
(L1 AND ((TRANSLAT\$) NEAR5 (RELATIONAL	6

## Hit List



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1. Document ID: US 20040083222 A1

Using default format because multiple data bases are involved.

L9: Entry 1 of 11

File: PGPB

Apr 29, 2004

PGPUB-DOCUMENT-NUMBER: 20040083222

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040083222 A1

TITLE: Method of recursive objects for representing hierarchies in relational database systems

PUBLICATION-DATE: April 29, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Pecherer, Robert	Santa Fe	NM	US	

US-CL-CURRENT: 707/100

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [RNC](#) | [Drawn D](#)

2. Document ID: US 20030208712 A1

L9: Entry 2 of 11

File: PGPB

Nov 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030208712

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030208712 A1

TITLE: Method and apparatus for making and using wireless test verbs

PUBLICATION-DATE: November 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Louden, Michael	Mound	MN	US	
Charette, Francois	Minneapolis	MN	US	
Boen, Ryon	Chanhassen	MN	US	
Krause, Mitch	Chanhassen	MN	US	

US-CL-CURRENT: 714/742

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3. Document ID: US 20030208288 A1

L9: Entry 3 of 11

File: PGPB

Nov 6, 2003

PGPUB-DOCUMENT-NUMBER: 20030208288

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030208288 A1

TITLE: Method and apparatus for making and using test verbs

PUBLICATION-DATE: November 6, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Louden, Michael	Mound	MN	US	
Charette, Francois	Minneapolis	MN	US	
Boen, Ryon	Chanhassen	MN	US	

US-CL-CURRENT: 700/39; 700/1, 700/87, 700/90

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)

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4. Document ID: US 20030097545 A1

L9: Entry 4 of 11

File: PGPB

May 22, 2003

PGPUB-DOCUMENT-NUMBER: 20030097545

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20030097545 A1

TITLE: Adaptive data architecture for information management systems

PUBLICATION-DATE: May 22, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Vadavia, Rajesh	Brossard		CA	

US-CL-CURRENT: 712/200

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KINIC](#) | [Drawn D](#)

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5. Document ID: US 20020133488 A1

L9: Entry 5 of 11

File: PGPB

Sep 19, 2002

PGPUB-DOCUMENT-NUMBER: 20020133488  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020133488 A1

TITLE: Search-on-the-fly report generator

PUBLICATION-DATE: September 19, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Bellis, Joseph De	Southampton	NY	US	
Freire, Adriano A.	Southampton	NY	US	

US-CL-CURRENT: 707/6

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□ 6. Document ID: US 20020091707 A1

L9: Entry 6 of 11

File: PGPB

Jul 11, 2002

PGPUB-DOCUMENT-NUMBER: 20020091707  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020091707 A1

TITLE: Automatic determination of OLAP cube dimensions

PUBLICATION-DATE: July 11, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Keller, Martin	Vaihingen		DE	

US-CL-CURRENT: 707/104.1

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□ 7. Document ID: US 20020046209 A1

L9: Entry 7 of 11

File: PGPB

Apr 18, 2002

PGPUB-DOCUMENT-NUMBER: 20020046209  
PGPUB-FILING-TYPE: new  
DOCUMENT-IDENTIFIER: US 20020046209 A1

TITLE: Search-on-the-fly with merge function

PUBLICATION-DATE: April 18, 2002

INVENTOR-INFORMATION:

h e b b g e e e f e g ef b e

NAME	CITY	STATE	COUNTRY	RULE-47
De Bellis, Joseph	Southampton	NY	US	

US-CL-CURRENT: 707/10; 707/100

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn Ds](#)

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8. Document ID: US 6665677 B1

L9: Entry 8 of 11

File: USPT

Dec 16, 2003

US-PAT-NO: 6665677

DOCUMENT-IDENTIFIER: US 6665677 B1

TITLE: System and method for transforming a relational database to a hierarchical database

DATE-ISSUED: December 16, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wotring; Steve C.	Austin	TX		
Ripley; John R.	Round Rock	TX		

US-CL-CURRENT: 707/100

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn Ds](#)

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9. Document ID: US 5974407 A

L9: Entry 9 of 11

File: USPT

Oct 26, 1999

US-PAT-NO: 5974407

DOCUMENT-IDENTIFIER: US 5974407 A

TITLE: Method and apparatus for implementing a hierarchical database management system (HDBMS) using a relational database management system (RDBMS) as the implementing apparatus

DATE-ISSUED: October 26, 1999

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sacks; Jerome E.	Lexington	MA	02173	

US-CL-CURRENT: 707/2; 707/1, 707/100

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Sequences](#) | [Attachments](#) | [Claims](#) | [KOMC](#) | [Drawn Ds](#)

10. Document ID: US 5845270 A

L9: Entry 10 of 11

File: USPT

Dec 1, 1998

US-PAT-NO: 5845270

DOCUMENT-IDENTIFIER: US 5845270 A

TITLE: Multidimensional input-output modeling for organizing information

DATE-ISSUED: December 1, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schatz; Joel	San Francisco	CA		
Baber; Marc	Eugene	OR		

US-CL-CURRENT: 706/11; 345/440, 706/53

[Full](#) | [Title](#) | [Citation](#) | [Front](#) | [Review](#) | [Classification](#) | [Date](#) | [Reference](#) | [Claims](#) | [KMC](#) | [Drawn](#)

 11. Document ID: US 5819263 A

L9: Entry 11 of 11

File: USPT

Oct 6, 1998

US-PAT-NO: 5819263

DOCUMENT-IDENTIFIER: US 5819263 A

TITLE: Financial planning system incorporating relationship and group management

DATE-ISSUED: October 6, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Bromley; John W.	Plymouth	MN		
Brounley; David A.	Roanoke	VA		
Hallin; Howard R.	Golden Valley	MN		

US-CL-CURRENT: 707/3; 345/163, 345/777, 345/835, 705/10, 705/3

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Term	Documents
RELATIONAL	25977
RELATIONALS	6
DATABASE	229078